

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: GOSSIP-BASED RELIABLE MULTICAST MESSAGE RECOVERY SYSTEM AND METHOD

the specification of which (check one)

is attached hereto.

was filed on June 23, 2000 as United States Application Number 09/602,230

or PCT International Application Number _____

and was amended on _____ (if applicable)



I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application, having a filing date before that of the application on which priority is claimed:

| Prior Foreign Application(s) | | | Priority Claimed |
|------------------------------|-----------|------------------------|--|
| (Number) | (Country) | (Day/Month/Year Filed) | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

| (Application Number) | (Filing Date) |
|----------------------|---------------|
| _____ | _____ |
| _____ | _____ |

I hereby claim the benefit under 35 U.S.C. §120 of any United States Application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States, or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information material to the patentability of this application as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| (Application Serial No.) | (Filing Date) | (Status) (patented, pending, abandoned) |
|--------------------------|---------------|---|
| _____ | _____ | _____ |
| _____ | _____ | _____ |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number).

Manny W. Schecter (Reg. 31,722), Lauren C. Bruzzone (Reg. No. 35,802), Christopher A. Hughes (Reg. 26,914), Edward A. Pennington (Reg. 32,588), John E. Hoel (Reg. 26,279), Joseph C. Redmond, Jr. (Reg. 18,753), Douglas W. Cameron (Reg. No. 31,596), Wayne L. Ellenbogen (Reg. No. 43,602), Stephen C. Kaufman (Reg. No. 29,551), Daniel P. Morris (Reg. No. 32,053), Louis J. Percello (Reg. No. 33,206), Jay P. Sbrollini (Reg. No. 36,266), David M. Shofi (Reg. No. 39,835), Robert M. Trepp (Reg. No. 25,933), Paul J. Otterstedt (Reg. No. 37,411) and Louis P. Herzberg (Reg. No. 41,500).

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Send Correspondence to: Richard L. Catania, Scully, Scott, Murphy & Presser

400 Garden City Plaza, Garden City, New York 11530

Direct Telephone Calls to: (name and telephone number) Richard L. Catania, (516) 742-4343

Qixiang Sun

Full name of sole or first joint inventor, if any

Qixiang Sun

Inventor's Signature

9/21/2000

Date

4301 W. 49th Avenue, #314, Amarillo, TX 79109

Residence

USA

Citizenship

Same as residence

Post Office Address

Daniel C. Sturman

Full name of sole or first joint inventor, if any

Daniel C. Sturman

Inventor's Signature

9/28/2000

Date

427 Summit Street, Englewood Cliffs, NJ 07632

Residence

USA

Citizenship

Same as residence

Post Office Address

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of

Santa Clara

} ss.

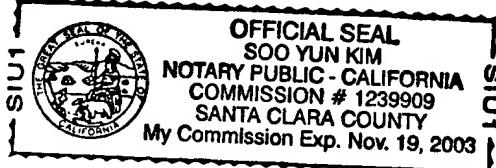
On Sept 21, 2000, before me, Soo Yun Kim, notary public
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Qixiang Sun
Name(s) of Signer(s)

personally known to me
 proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Soo Yun Kim
Signature of Notary Public



Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Declaration and Power of Attorney, for Patent Application

Document Date: 9-21-2000 Number of Pages: 2

Signer(s) Other Than Named Above: Daniel C. Sturman

Capacity(ies) Claimed by Signer

Signer's Name: _____
 Individual
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Attorney in Fact
 Trustee
 Guardian or Conservator
 Other: _____

RIGHT THUMPRINT OF SIGNER

Top of thumb here

Signer Is Representing: _____



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Hubertus Franke
et al.

Docket: 13632 (YOR9-2000-0337)

Serial No.: Unassigned

Dated: June 23, 2000

Filed: Herewith

For: GOSSIP-BASED RELIABLE MULTICAST MESSAGE
RECOVERY SYSTEM AND METHODAssistant Commissioner for Patents
Washington, DC 20231ASSOCIATE POWER OF ATTORNEY AND
REQUEST FOR CHANGE OF MAILING ADDRESS

Sir:

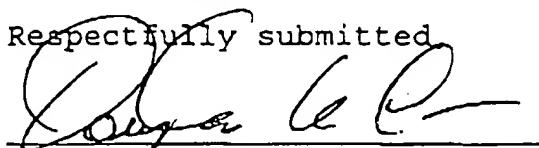
Applicants, by their attorneys of record, hereby
grant an Associate Power of Attorney to:

RICHARD L. CATANIA, Reg. No. 32,608; FRANK S. DIGIGLIO, Reg. 31,346; KENNETH L. KING, Reg. No. 24,223; STEPHEN D. MURPHY, Reg. No. 22,002; LEOPOLD PRESSER, Reg. No. 19,827; and JOHN S. SENSNY, Reg. No. 28,757

with full power of substitution to prosecute this application
and transact all business in the United States Patent and
Trademark Office in connection therewith.Applicants further request that all future
correspondence in connection with this application be directed
and addressed to:RICHARD L. CATANIA, ESQ.
SCULLY, SCOTT, MURPHY AND PRESSER
400 Garden City Plaza
Garden City, New York 11530

Direct all telephone calls to: (516) 742-4343.

Respectfully submitted


Douglas W. Cameron
Registration No.: 31,596
Telephone No.: (914) 945-3244IBM Corporation
T.J. Watson Research Center
Route 134/Kitchawan Road
P.O. Box 218
Yorktown Heights, New York 10598
SF/vjs